

SN 10/616,479  
Docket No. S-100,631  
In Response to Office Action dated 5/24/2007

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-27. (cancelled)

Claim 28. (currently amended) A composition of matter comprising a solution of at least two metal precursors and a soluble polymer, said polymer characterized as having binding properties for said at least two metal precursors, wherein said at least two metal precursors are present in a pre-selected ratio, said solution having been filtered so as to separate materials having molecular weights of less than 10,000 g/mol from said solution.

Claim 29. (original) The composition of matter of claim 28 wherein said composition is a solution of said at least two metal precursors and a soluble polymer.

Claim 30. (original) The composition of claim 28 wherein said soluble polymer is selected from the group consisting of polyethylenimine, carboxylated polyethylenimine, polyacrylic acid, polypyrolidone, and poly(ethylene-maleic acid).

Claim 31. (original) The composition of claim 29 wherein said solution includes a solvent selected from the group consisting of water, lower alcohols, acetone, tetrahydrofuran, polypropylene carbonate, acetonitrile, ethylacetate, acetic acid, and mixtures thereof.

Claim 32. (original) The composition of claim 29 wherein said solvent is water and is organic-solvent free.

Claim 31. (original) The composition of claim 29 wherein said solution includes a solvent selected from the group consisting of water, lower alcohols, acetone,

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tetrahydrofuran, polypropylene carbonate, acetonitrile, ethylacetate, acetic acid, and mixtures thereof.

**Claim 32. (original)** The composition of claim 29 wherein said solvent is water and is organic-solvent free.

**Claim 33 (new)** The composition of claim 28 wherein said at least two metals are selected from the group consisting of alkali metals, alkaline earth metals, main group metals, transition metals, and lanthanide metals.

**Claim 34 (new)** The composition of claim 28 wherein said at least two metals are selected from the group consisting of main group metals.

**Claim 35 (new)** The composition of claim 28 wherein said at least two metals are selected from the group consisting of transition metals.

**Claim 36 (new)** The composition of claim 28 wherein said at least two metals are selected from the group consisting of lanthanide metals.

**Claim 37 (new)** The composition of claim 28 wherein said at least two metals are selected from the group consisting of alkaline earth metals.

**Claim 38 (new)** The composition of claim 28 wherein said solution further includes a metal-binding ligand or salts thereof.

**Claim 39 (new)** The composition of claim 38 wherein said solution further includes EDTA or salts thereof.

**Claim 40 (new)** The composition of claim 28 wherein said at least two metals are indium and tin.

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Claim 41 (new) The composition of claim 28 wherein said at least two metals are indium and titanium.

Claim 42 (new) The composition of claim 28 wherein said at least two metals are strontium and titanium.

Claim 43 (new) The composition of claim 28 wherein said at least two metals are yttrium, barium and copper.

Claim 44 (new) The composition of claim 28 wherein said at least two metals are cadmium and zinc.

Claim 45 (new) The composition of claim 28 wherein said at least two metals are gallium and zinc.